

Form PTO-1449 U.S. Department of Commerce
Patent and Trademark Office

INFORMATION DISCLOSURE STATEMENT
BY APPLICANT
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ATTY DOCKET NO.

GJE-5825C1

SERIAL NO.

10/666,264

APPLICANT:

Ian Anthony Jones et al.

EXAMINER

FILING DATE:

September 19, 2003

GROUP

1725

U.S. PATENT DOCUMENTS

Exam. Init.	Document Number	Date	Name	Class	Sub Class	filing date if appropriate
AE	5,893,959	04/13/99	Muellich	156	722;8	
	4,824,947	04/25/89	Stark	540	125	
	4,824,948	04/25/89	Stark et al.	540	125	
	5,516,899	05/14/96	Campbell et al.	540	123	
	5,151,149	09/29/92	Swartz	156	379.8	
	US2003/0094240	05/22/03	Sarmiento	156	379.8	
	6,140,477	12/31/02	Matsumoto et al.	534	653	10/31/00
	4,389,452	06/21/83	Chahroudi et al.	428	215	
AE	6,521,688	02/18/03	Linzmeier et al.	524	430	

FOREIGN PATENT DOCUMENTS

Init.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
AE	GB 2276 584 A	05/10/94	Great Britain			
	WO 95/26869	10/12/95	PCT			
	DE 1479239	12/27/65	Germany			yes
	EP 1098751B1	1999	EPO			yes
	DE 19913336A1	09/30/99	Germany			
AE	DE 4415802A1	11/09/95	Germany			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AE	D. Hansch, et al., Kunststoffe 88, pp. 210-212, 1998 (with English translation, D. Hansch et al., "Joining Hard And Soft Plastics With A Diode Laser").
↓	EPO Technical Board of Appeal Decision regarding De La Rue Holographics Ltd. (T0011/00), publication, May 8, 2002.
AE	Melles Griot Optics Guide - Synthetic Fused Silica pp.1-4 (including 1 dwg.)

EXAMINER

M. Alexandra Elue

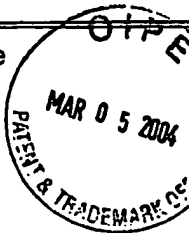
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U.S. PATENT DOCUMENTS

Exam. Init.	Document Number	Date	Name	Class	Sub Class	filing date if appropriate
AE	6,214,917	04/17/01	Linzmeier et al.	524	430	
	4,029,535	06/14/77	Cannon et al.	156	272	
	5,920,908	07/13/99	Widdermer	2	161.2	
	3,560,291	02/02/71	Foglia et al.	156	229	
	4,726,008	02/16/88	Renaud	369	286	
	5,053,440	10/01/91	Schueler et al.	523	137	
	5,630,979	05/20/97	Welz et al.	264	400	
↓	US2002/0068773	06/06/02	Solms et al.	523	171	
AE	6,521,688	02/18/03	Linzmeier et al.	524	430	10/17/97

FOREIGN PATENT DOCUMENTS

Init.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
AE	DE 2261388	07/05/73	Germany	—	—	
	GB 1379936	01/08/75	Great Britain	—	—	
	DE 3813570A1	11/09/89	Germany	—	—	yes
	EP0400305B1	07/10/96	EPO	—	—	
↓	DE 4436897A1	04/18/96	Germany	—	—	
AE	DE19629675A1	01/29/98	Germany	—	—	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AE	"Einführung In Die Kunststoffverarbeitung", Walter Michaeli "Introduction to Plastic Processing"; 1992 Carl Hanser Publishing, Munich (with English translation).
	"Iridin Zur Lasemarkierung", Merck Brochure, 10/1992, "Iridin For Laser Marking" (with English translation).
↓	"Iridin LS For The Laser Marking Of Plastics", Merck Brochure, June 97.
AE	"Laser Diode Welder Joins Plastic Parts", EuroPhotonics, April/May 97.

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Init.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
AE	EP0705682A1	04/10/96	EPO			yes
J	JP10-166452	06/23/98	Japan			yes (abstract)
↓	DE 2839640	03/22/79	Germany			
↓	CA 1125155	1982	Canada			
AE	WO 95/30546	11/16/95	PCT			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AE	"Verbindung Mit Zukunft", Plastverarbeiter 48, Jahrgang 1997, No. 5, (with English translation, Production Technology, "Joining With A Future".)
J	"Laser-Welded Polymers Enter Mass-Production, OLE June 1997.
↓	H. Puetz, et al., "Laser Welding Offers Array Of Assembly Advantages", Modern Plastics, September 1997.
AE	D. Hansch et al. "Laser Statt Kleber, October 1997 (with English Translation, "Lasers Instead Of Adhesives".)

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Sheet 1 of 4

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U.S. PATENT DOCUMENTS

Exam. Init.	Document Number	Date	Name	Class	Sub Class	filing date if appropriat
<i>AE</i>	4,606,859	08/19/86	Duggan et al.	540	122	
	4,424,435	01/1984	Barnes, Jr.	219	121	
	6,077,377	06/2000	Bentz et al	156	195	
	4,069,080	01/1978	Osborne	156	272	
	5,113,479	05/1992	Anderson et al.	392	417	
	5,279,693	01/1994	Robinson et al.	156	272.8	
<i>AE</i>	4,969,969	11/1990	Powers	156	275.1	

FOREIGN PATENT DOCUMENTS

Exam. Init.	Document Number	Date	Country	Class	Sub Class	Translati Yes/No
<i>AE</i>	EP0 282 181 A	08/14/88	Great Britain			
	98/02294 (Wood)	01/1998	Great Britain	B29C	65/14	
	EP483,569 (Fishman)	05/1992	EP	B29C	65/16	
	EP159,169 (Toshihisa)	10/1985	EP	B29C	65/18	
<i>AE</i>	JP62,142,092 (Abstract)	06/1987	Japan	B23K	26/00	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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U.S. PATENT DOCUMENTS

Exam. Init.	Document Number	Date	Name	Class	Sub Class	filing date if appropriate
<i>AC</i>	3,424,890	01/28/69	L.J. Van Ruyven	219	121	
	3,705,043	12/05/72	Zabiak	106	20	
	4,069,080	01/17/8	Osborne	156	272	
	4,606,859	08/19/86	Duggan et al.	540	122	
	4,657,345	04/14/87	Gordon	350	311	
	4,892,584	01/09/90	Chapman	106	22	
	4,969,969	11/13/90	Powers	156	275.1	
	5,093,147	03/03/92	Andrus et al.	427	7	
	5,113,479	05/12/92	Anderson et al.	392	417	
<i>↓</i>	5,279,693	01/18/94	Robinson et al.	156	272.8	
<i>AC</i>	5,833,743	11/10/98	Elwakil	106	31,27	

FOREIGN PATENT DOCUMENTS

Exam. Init.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
<i>AC</i>	WO 01/07524 A1	01/02/01	PCT			
<i>↓</i>	1629225	01/07/71	Germany			no
	0282181A2	09/14/88	Europe			
<i>↓</i>	0483569A1	05/06/92	Europe			
<i>AC</i>	0159169A2	10/23/85	Europe			

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Exam. Init.	Document Number	Date	Name	Class	Sub Class	filing date if appropriate
AC	5,837,042	11/17/98	Lent et al.	106	31.14	
	5,897,694	04/27/99	Woolf	106	31.27	
	5,990,197	11/23/99	Escano et al.	523	160	
	6,010,564	01/04/00	Zhu et al.	106	31.37	
	6,136,079	10/24/00	Evans et al.	106	31.27	
	6,149,719	11/21/00	Houle	106	31.14	
	6,174,356	01/16/01	Evans et al.	106	31.5	
	6,183,549	02/06/01	Wight	106	31.51	
AC	6,190,422	02/20/01	Carr	8	445	

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Exam. Init.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
<u>AC</u>	JP8-230043	09/10/96	Japan			Yes
<u>↓</u>	JP6-297828	10/25/94	Japan			Eng. Abs.
<u>↓</u>	JP9-220765	08/26/97	Japan			Eng. Abs.
<u>AC</u>	JP6-2142092	06/25/87	Japan			Eng. Abs.

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